



- (2) **Equipment and protective systems intended for use in potentially explosive atmospheres
Directive 94/9/EC**

(1) **EC-TYPE EXAMINATION CERTIFICATE**

- (3) Number of the EC type examination certificate: **INERIS 13ATEX0047X**

- (4) Equipment or protective system:

ENCLOSURE TYPE TB-AMG-132-HFL

- (5) Manufacturer: **TechNed BENELUX BV**

- (6) Address: **Veerteeg 15
4212 LR Spijk
The Netherlands**

- (7) This equipment or protective system and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

- (8) INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, and accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website www.cofrac.fr) certifies that this equipment or protective system fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, described in annex II of the Directive.

The examinations and the tests are consigned in report No 028010/13.


- (9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 60079-0	: 2009	IEC 60079-0	: 2011
EN 60079-1	: 2007	IEC 60079-1	: 2007
EN 60079-7	: 2007	IEC 60079-7	: 2006
EN 60079-31	: 2009	IEC 60079-31	: 2008

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

- (10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protective system is subjected to the special conditions for safe use, mentioned in the annex of this certificate.
- (11) This EC type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system, these are not covered by this certificate.
- (12) The marking of the equipment or the protective system will have to contain:

 II 2 GD

Verneuil-en-Halatte, 2013.12.10

Dominique CHARPENTIER
Certification Division
Manager



The Chief Executive Officer of INERIS
By delegation
T. HOUËIX
Ex Certification Officer



(13)

ANNEX

(14)

EC TYPE EXAMINATION CERTIFICATE N° INERIS 13ATEX0047X

(15)

DESCRIPTION OF THE EQUIPMENT OR THE PROTECTIVE SYSTEM

This enclosure is constituted by a compartment protected by flameproof enclosure and fitted with a terminal box protected by increased safety. Both are also protected by "tb" type protection for dust atmosphere explosive. The terminal box is covered by the IECEx SIR11.0057U component certificate and fitted with terminals covered by PTB 05ATEX1095U.

These two compartments are separated by a sealed bushing.

This equipment is intended to receive mainly a Xenon lamp and electrical components defined in the technical note.

This equipment gets the degree of protection IP66 in accordance with EN/IEC 60529 standard.

PARAMETERS RELATING TO THE SAFETY

Maximum supply voltage : 230 V

Maximum dissipated power : 50 W

Characteristics of the lamp:

Type : Xenon

Maximum power : 35 W

This equipment can be used in the range of ambient temperature from -50°C to +50°C.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

TECHNED BENELUX

The Netherlands

TB-AMG-132-HFL

INERIS 13ATEX0047X

(Serial number)

(Year of construction)

 II 2 GD

Ex d e IIC T4 Gb

Ex tb IIIC T135°C Db IP66

-50°C < Tamb < 50°C

(Rated voltage and rated current and/or rated voltage)

WARNINGS: DO NOT OPEN WHEN ENERGIZED.
DO NOT OPEN IF AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

In accordance with clause 16.2 of the EN/IEC 60079-1 standard, the equipment defined above is exempted of routine test due to the fact that it has undergone a static type test at 4 times the reference pressure under 47.6 bar.

In accordance with clause 7.1 of the EN/IEC 60079-7 standard, each terminal box defined above has to have successfully passed, before delivery a test of dielectric strength on each of the different circuits of the connection units, performed according to the relevant standards, the test voltage being applied during one minute.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation of the equipment, subject of this certificate.

- Technical file 2013-03 (12 rubrics) signed on 2013.05.18

(17) SPECIAL CONDITIONS FOR SAFE USE

The depth engagement of the flameproof threaded joints is superior to the value specified in the tables of EN/IEC 60079-1 standard.

The other conditions are stipulated in the instructions.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is ensured by:

- Conformity to the standards quoted in clause (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

ADDITION

- (3) INERIS 13ATEX0047X/01
- (4) ENCLOSURES TYPE TB-AMG-132-HFL
- (5) Made by TechNed BENELUX BV

(15) PURPOSE OF THE ADDITION

- Modification of the name of the product which become Helideck floodlight type TB-AMG-132-HFL.
- Modification of the internal components and the maximum supply voltage.
- Modification of marking.

PARAMETERS RELATING TO THE SAFETY

The parameters relating to the safety are modified as follows:


Maximum supply voltages : 277 V AC or 24 V DC.

The other parameters are unchanged.

MARKING

The marking is modified as follows:

TechNed Benelux bv
4212 LR Spijk Netherlands
TB-AMG-132-HFL
INERIS 13ATEX0047X
(Serial number)
(Year of construction)

 II 2 GD

Ex d e IIC T4 Gb

Ex tb IIIC T135°C Db IP66

-50°C < T.Amb < 50°C

(Rated voltage and rated current and/or rated voltage)

Cable entries: see instructions

WARNINGS: DO NOT OPEN WHEN ENERGIZED

DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT.

READ INSTRUCTION NOTE BEFORE INSTALLATION AND USING

Marking may be carried out in the language of the country of use.

The protective system or equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

The routine tests are unchanged.

(16) DESCRIPTIVE DOCUMENTS

The descriptive document quoted hereafter constitutes the technical documentation describing the modifications of the equipment, subject of this present addition.

Certification file n° 2013-01 (2 rubrics) rev.1 of 2014.05.06

signed on 2014.06.24

(17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions for safe use are completed as follows:

This new version can be used only in horizontal position.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is unchanged.

Verneuil-en-Halatte, 2014.08.06

Dominique CHARPENTIER
Certification Division
Manager



The Chief Executive Officer of INERIS
By delegation
T. HOUEIX
Ex Certification Officer